

ABSTRACT

A sensor system for detecting an effector or cofactor comprises (a) a nucleic acid enzyme; (b) a substrate for the nucleic acid enzyme, comprising a first polynucleotide; (c) a first set of particles comprising a second polynucleotide at least partially complementary to the substrate, where the polynucleotide is attached to the particles at its 3' terminus; and (d) a second set of particles comprising a third polynucleotide at least partially complementary to the substrate, where the polynucleotide is attached to the particles at its 5' terminus.

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